Index of Claims



Application/Control No.

10/783,893

Examiner

Juan A. Torres

Applicant(s)/Patent under Reexamination

SEKI ET AL.

Appeal

Objected

Art Unit

2611

| <b>√</b> | Rejected | - | (Through numeral)<br>Cancelled | N | Non-Elected  | A |  |
|----------|----------|---|--------------------------------|---|--------------|---|--|
| IÍ       | Allowed  | ÷ | Restricted                     | ı | Interference | 0 |  |

| Claim Date |          |          | Claim Date      |            |                |          |                |  |                 |          | Cla  | aim      |                 | Date     |          |          |          |           |          |                    |          |   |       |            |              |                |          |          |          |          |                 |          |          |
|------------|----------|----------|-----------------|------------|----------------|----------|----------------|--|-----------------|----------|--|----------|-----------------|----------|----------|----------|----------|-----------|----------|--------------------|----------|---|-------|------------|--------------|----------------|----------|----------|----------|----------|-----------------|----------|----------|
|            | <u></u>  | 9        |                 |            |                |          |                |  |                 |          |  | af       |                 |          |          |          |          |           |          |                    |          |   |       | =          |              |                |          |          |          |          |                 |          |          |
| Final      | Original | 11-2-06  |                 |            |                |          |                |  |                 |          | Final  | Original |                 | - 1      |          |          |          |           |          |                    |          |   | Final | Original   |              |                |          |          |          |          |                 |          |          |
| ιĒ         | )<br>ji  | =        |                 |            |                |          |                |  |                 |          | iĒ.  | Ţ        |                 | - 1      |          | i        |          |           |          |                    | -        |   | ίĒ    | Ç          |              |                |          |          |          |          |                 |          |          |
|            |          |          |                 | <u> </u>   | ļ              | ļ.,      |                |  | Ш               |          | <u> </u>   |          |                 |          |          |          |          |           |          |                    |          |   |       |            |              |                |          |          |          |          |                 |          |          |
|            | 1        | 1        |                 | <u>L</u> . | L.             | <u> </u> | <u> </u>       | _  | Ш               |          |  | 51       |                 |          | Ц        |          |          |           |          |                    | ╝        |   |       | 101        |              |                | _        |          |          |          |                 |          |          |
|            | 2        | 1        |                 | L_         | L              | L        | <u> </u>       |  | Ш               |          |  | 52       |                 |          | _        |          |          |           |          |                    | _        | L |       | 102        |              |                |          |          |          |          |                 |          |          |
|            | 3        | 1        |                 | <u> </u>   | _              | L        | _              | _  |                 |          |  | 53       |                 | _        | _        |          | _        |           |          |                    | _        |   |       | 103        |              |                |          |          |          |          |                 |          |          |
|            | 4        | 1        |                 |            |                |          | _              | _  | Ш               |          |  | 54       |                 | _        | _        |          |          |           |          | _                  | 4        | Į |       | 104        |              |                |          |          | _        |          |                 | _        |          |
|            | 5        | 1        |                 | <u> </u>   | _              | _        | _              | _  | Ш               |          |  | 55       | -               | _        | _        |          |          |           |          |                    | 4        | ļ |       | 105        |              |                | _        |          |          |          | _               | _        |          |
|            | 6        | 1        |                 | _          |                |          | <u> </u>       | _  |                 | _        |  | 56       |                 |          |          |          |          | _         |          | $\rightarrow$      | -1       | ŀ |       | 106        |              |                | $\dashv$ |          |          |          |                 |          |          |
| -          | 7        | 1        |                 | -          | -              |          | <u> </u>       | L  | Н               |          | <u> </u>   | 57       | _               |          | _        | _        | _        | -         | _        |                    | _        | ļ |       | 107        | _            | _              |          | _        | $\dashv$ | _        | _               |          |          |
|            | 8        | 1        | Н               | _          | <u> </u>       |          | ┡              | _  |                 |          |  | 58       |                 | _        | _        |          |          | _         |          | $\dashv$           | 4        | ŀ |       | 108        |              | _              |          |          |          |          | $\dashv$        | _        |          |
| -          | 9<br>10  | <b>V</b> |                 |            |                | _        | ├              | _  | -1              | _        | <u> </u>   | 59       |                 |          | _        |          |          | _         |          |                    | 4        | ŀ |       | 109        | _            | _              | _        | -        | -        | _        | $\dashv$        |          |          |
|            |          | _        |                 |            | -              | H        | ⊢              | $\vdash$   | Н               |          |  | 60       | Н               | -        |          | -        | _        |           | -        |                    | 4        | ŀ |       | 110        |              |                |          |          | -        |          |                 |          |          |
| <u> </u>   | 11<br>12 | =        | $\vdash$        | <u> </u>   | -              |          | $\vdash$       | $\vdash$   | $\vdash \vdash$ | $\dashv$ | <u> </u>   | 61<br>62 | $\vdash\vdash$  |          | $\dashv$ | -        |          |           | -        | $\dashv$           | $\dashv$ | ŀ |       | 111<br>112 | $\dashv$     |                |          |          | -        | $\dashv$ | -               | $\dashv$ |          |
| ļ          | 13       | =        | Н               | <u> </u>   | -              |          | <u> </u>       | $\vdash$   | $\vdash$        |          | <b> </b>   | 63       | $\vdash$        |          | -        | ᆛ        | $\dashv$ |           | $\dashv$ | +                  | $\dashv$ | ł |       | 113        |              |                |          |          |          |          | -               |          |          |
|            | 14       | +        | $\vdash \vdash$ | -          | <del>  -</del> | -        | -              |  |                 | $\dashv$ | <u> </u>   | 64       | Н               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  |          | $\dashv$           | $\dashv$ | ŀ |       | 114        | $\dashv$     |                |          |          | $\dashv$ |          | -               | $\dashv$ |          |
|            | 15       | Ė        | -               | -          | $\vdash$       |          | <del> </del>   | -  | $\vdash$        | $\dashv$ | <u> </u>   | 65       | H               | $\dashv$ | $\dashv$ | _        |          | $\dashv$  | $\vdash$ | +                  | $\dashv$ | ł |       | 115        | -            | $\dashv$       |          |          |          | -        |                 | $\dashv$ |          |
|            | 16       |          | Н               | $\vdash$   | $\vdash$       | $\vdash$ | $\vdash$       |  | $\vdash$        | $\dashv$ |  | 66       | $\vdash$        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$           | $\dashv$ | ł |       | 116        | $\dashv$     |                |          | -        |          |          | -               | -        |          |
|            | 17       | -        | $\vdash$        | -          | $\vdash$       | $\vdash$ | <del> </del>   |  | $\vdash$        | $\dashv$ | <u> </u>   | 67       | Н               | $\dashv$ | $\dashv$ |          |          | $\dashv$  | $\vdash$ | $\dashv$           | $\dashv$ | ŀ |       | 117        |              |                |          | -        | $\dashv$ | $\vdash$ | $\vdash$        | $\dashv$ |          |
|            | 18       |          |                 | -          | -              |          |                | _  | $\vdash$        | -        | -  | 68       | Н               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  |          | $\dashv$           | $\dashv$ | ŀ |       | 118        |              |                |          | -        |          | -        |                 | -        | _        |
|            | 19       |          |                 |            |                |          | -              |  | H               |          |  | 69       |                 | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$  | $\dashv$ | $\dashv$           | ┪        | ŀ |       | 119        |              | $\dashv$       | ᅥ        |          | -        | _        | -               | _        |          |
|            | 20       |          |                 | _          |                |          | _              |  | Н               |          | <u> </u>   | 70       |                 | $\neg$   |          |          | _        | $\exists$ |          | $\neg$             | 7        | ı |       | 120        |              |                |          |          |          |          |                 | $\dashv$ |          |
|            | 21       |          | П               | _          |                | Г        | _              |  | Н               |          | <u> </u>   | 71       |                 | $\neg$   |          |          | $\neg$   |           |          | $\neg$             | 7        | Ì |       | 121        |              |                |          |          | 7        |          |                 |          | _        |
|            | 22       |          |                 | ┢          |                |          |                |  | П               |          |  | 72       |                 |          | $\neg$   | $\neg$   |          |           |          |                    | 7        | ı |       | 122        |              |                |          |          |          |          |                 | $\dashv$ |          |
|            | 23       |          |                 |            |                |          |                |  |                 |          |  | 73       | П               |          |          |          |          |           |          |                    |          | İ |       | 123        |              |                |          |          |          |          |                 | $\neg$   |          |
|            | 24       |          |                 | Г          | Г              |          | Г              |  |                 |          |  | 74       |                 |          | T        | ヿ        |          |           |          |                    |          | ı |       | 124        |              |                |          |          |          |          |                 | 一        |          |
|            | 25       |          | П               |            |                |          | $\overline{}$  |  |                 |          |  | 75       |                 |          |          |          |          |           | $\neg$   |                    |          | Ī |       | 125        |              |                |          |          |          |          |                 | コ        |          |
|            | 26       |          |                 |            |                |          |                |  |                 |          |  | 76       |                 | $\neg$   |          |          |          |           |          |                    |          | Ī |       | 126        |              |                |          |          |          |          |                 |          |          |
|            | 27       |          |                 |            |                |          |                |  |                 |          |  | 77       |                 |          |          |          |          |           |          |                    |          |   |       | 127        |              |                |          |          |          |          |                 |          |          |
|            | 28       |          |                 |            | L              |          |                |  |                 |          |  | 78       |                 |          |          |          |          |           |          |                    |          |   |       | 128        |              |                |          |          |          |          |                 |          |          |
|            | 29       |          |                 | _          |                | L        |                |  |                 |          |  | 79       |                 |          |          |          |          |           |          |                    |          |   |       | 129        |              |                |          |          |          |          |                 |          |          |
|            | 30       |          |                 |            | _              | L        |                |  |                 |          |  | 80       |                 |          |          |          |          |           |          |                    |          |   |       | 130        |              |                |          |          |          |          |                 |          |          |
|            | 31       |          |                 |            | L              | L        | <u> </u>       | <u> </u>   | Ш               |          |  | 81       |                 |          |          | $\dashv$ |          |           | $\Box$   |                    |          |   |       | 131        |              |                |          |          |          |          |                 |          |          |
|            | 32       |          | Ш               | <u> </u>   | L              | L        | <u> </u>       | _  | Ш               |          |  | 82       |                 | _        | _        | _        | _        |           | _        |                    | _        | ļ |       | 132        |              |                |          |          |          |          |                 |          |          |
| ļ          | 33       | <u> </u> | <u> </u>        | ļ          |                |          |                | <u> </u>   | Ш               |          | <u> </u>   | 83       | Щ               | _        |          | _        | i        |           | Ш        | $\perp \downarrow$ | 4        | ļ |       | 133        |              |                |          |          |          |          |                 |          |          |
|            | 34       | ├-       | $\vdash$        | <u> </u>   | ┞              | <u> </u> |                | <u> </u>   | Ш               |          | <u> </u>   | 84       | Ш               | _        |          |          |          |           | Ш        | 4                  | 4        |   |       | 134        | _            | Ш              |          |          |          |          |                 |          |          |
|            | 35       | -        | Н               | <u> </u>   | ⊢              | $\vdash$ | <u> </u>       | <del> </del>                                     | Ш               | Ш        | <u> </u>   | 85       | Ш               |          |          |          |          | $\square$ | $\sqcup$ | 4                  | 4        | - |       | 135        | <u></u>      |                |          | L.,      | _        |          |                 | _        |          |
|            | 36       | <u> </u> | Н               | <u> </u>   | ⊢              | $\vdash$ | -              | <u> </u>   | Ш               | $\vdash$ | <u> </u>   | 86       | Ш               |          |          |          |          | -         | $\dashv$ | 4                  | 4        | - |       | 136        | <u> </u>     | ļļ             |          |          | _        |          |                 | $\dashv$ |          |
|            | 37       | H        | -               | <u> </u>   |                |          | ├-             | ⊢  | $\vdash \vdash$ | $\vdash$ | <u> </u>   | 87       | $\vdash$        |          |          |          | _        |           |          |                    | 4        | - |       | 137        | ļ            |                |          |          | $\dashv$ |          | $\vdash$        | $\dashv$ |          |
|            | 38<br>39 | -        | Н               | <u> </u>   | $\vdash$       | -        | ├              |  | Н               | -        | <u> </u>   | 88       | $\vdash$        |          |          |          |          | $\vdash$  | Н        | $\dashv$           | 4        | ŀ |       | 138        | -            |                |          |          | $\dashv$ |          | $\vdash$        | $\dashv$ | -        |
| ·          | 40       | -        | $\vdash$        | -          | $\vdash$       |          | <del> </del>   |  | Н               |          | $\vdash$   | 89<br>90 |                 |          |          |          |          |           |          | -                  | $\dashv$ | ŀ | -     | 139<br>140 | -            | $\vdash\vdash$ | $\vdash$ | $\vdash$ |          |          | $\vdash$        | $\dashv$ | _        |
|            | 41       | $\vdash$ | Н               | -          | -              | -        | ⊢              | $\vdash$   | Н               |          | $\vdash$   |          | Н               | -        | -        | -        |          | -         | H        |                    | $\dashv$ | - |       |            | <del> </del> | Н              |          | -        | $\dashv$ |          | $\vdash \vdash$ | $\dashv$ | <u> </u> |
|            | 42       | -        | Н               | -          |                | -        | $\vdash$       | $\vdash$   | Н               | $\vdash$ | $\vdash$   | 91<br>92 | $\vdash$        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$  | Н        | -+                 | $\dashv$ | ŀ |       | 141<br>142 | -            |                | -        |          | $\vdash$ |          |                 | $\dashv$ | _        |
|            | 43       |          | Н               | -          | $\vdash$       | -        | ┢              | $\vdash$   | $\vdash$        |          | $\vdash$   | 93       | $\vdash$        |          | -        | $\dashv$ | $\dashv$ |           | $\vdash$ | -+                 | $\dashv$ | ŀ |       | 143        |              | $\vdash$       | $\vdash$ | $\vdash$ | -        |          | $\vdash$        | $\dashv$ | _        |
|            | 44       |          | Н               | $\vdash$   | <del> </del>   | -        | $\vdash$       | $\vdash$   | $\vdash$        | $\vdash$ | <b></b>  | 94       | $\vdash \dashv$ | -        | -        |          | -        | -         |          | $\dashv$           | $\dashv$ | ŀ |       | 144        | -            | Н              | $\vdash$ | Н        | $\dashv$ |          | $\vdash \dashv$ | $\dashv$ |          |
|            | 45       |          | Н               | -          | 1              |          | -              | $\vdash$   | $\vdash$        | $\vdash$ | <b></b>  | 95       | $\vdash$        | -        |          |          |          | $\vdash$  | Н        | $\dashv$           | $\dashv$ | ŀ |       | 145        | $\vdash$     | H              |          | -        | $\vdash$ |          | $\vdash$        |          |          |
|            | 46       |          | Н               | $\vdash$   | -              | H        | $\vdash$       | $\vdash$   | Н               |          | $\vdash$   | 96       | $\vdash$        | -        | $\dashv$ |          |          | $\vdash$  | ┝┈┤      | $\dashv$           | $\dashv$ | ŀ |       | 146        | $\vdash$     | Н              | $\dashv$ | Н        |          | $\vdash$ | $\vdash$        | $\dashv$ |          |
|            | 47       |          | $\vdash$        | -          | -              | -        | <del>  -</del> | $\vdash$   | H               |          |  | 97       | H               | $\dashv$ | $\dashv$ | $\dashv$ | $\neg$   | $\dashv$  | $\vdash$ | $\dashv$           | $\dashv$ | ŀ |       | 147        | $\vdash$     | $\vdash$       | -        | $\vdash$ | -        |          | $\vdash$        | $\dashv$ |          |
|            | 48       | $\vdash$ | $\vdash$        | $\vdash$   |                | H        | $\vdash$       | $\vdash$   | H               |          | <del>                                     </del> | 98       | Н               |          |          | $\dashv$ | $\vdash$ |           |          | -                  | $\dashv$ | ŀ |       | 148        | $\vdash$     | $\vdash$       | $\vdash$ | -        | $\vdash$ |          | $\vdash$        | $\dashv$ |          |
|            | 49       |          | Н               |            | $\vdash$       | $\vdash$ | $\vdash$       |  | Н               |          | <u> </u>   | 99       | Н               |          | -        | $\dashv$ |          |           |          | +                  | $\dashv$ | ŀ |       | 149        | $\vdash$     | Н              |          | $\vdash$ |          |          | H               | $\dashv$ |          |
|            | 50       | $\vdash$ | М               | ·          | <u> </u>       | $\vdash$ | <u> </u>       | <del>                                     </del> | П               |          |  | 100      |                 | $\neg$   | 寸        | 一        |          | _         |          | _                  | 7        | Ì |       | .150       | $\vdash$     |                |          | $\vdash$ |          |          |                 | $\dashv$ | _        |